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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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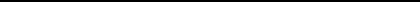
Sheet 1 of 4

Complete if Known	
Application Number	10/634,531
Filing Date	August 5, 2003
First Named Inventor	Adam R. Johnson
Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	PC25201A

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)			
XH	CA 2,082,076		11-04-1992	Weidmann, et al	
	EP 0 935 963 A2		08-18-1999	McClure, et al	
	EP 1 138 680 A1		10-04-2001	Noe, et al	
	WO 00/09485		02-24-2000	McClure, et al	
	WO 01/12611 A1		02-22-2001	Julian Blagg	
V	WO 01/63244 A1		08-30-2001	Chen, et al	

Examiner Signature		Date Considered	3/28/2005
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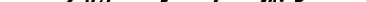
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KH		WO 02/34726 A2	05-02-2002	Noe, et al	
		WO 02/34753 A2	05-02-2002	Bronk, et al	
		WO 01/14344	03-01-2001	Herrmann, et al	
		EP 1069110	01-17-2001	Kimura, et al	
		WO 96/28430	09-19-1996	Nussbaumer	
↓		WO 03/076416	09-18-2003	Gaudilliere, et al	

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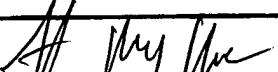
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				Art Unit	1624
				Examiner Name	Kahsay Habte
				Attorney Docket Number	PC25201A

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
KH		Office Action from 10/264,764 mailed 6.16.03			
		Billinghurst, et al, "Comparison of the degradation of type II collagen and proteoglycan in nasal and articular cartilages induced by interleukin-1 and the selective inhibition of type II collagen cleavage by collagenase", Arth. & Rheum. Vol. 43 (3) March 2000, pp. 664-672.			
		Billinghurst, et al, "Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage", J. Clin. Invest., Vol. 99 (7) April 1997 pp.1534-1545.			
		Chen, et al, "Structure-based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., Vol. 122 (40), 2000, pp. 9648-9654.			
		Dahlberg, et al, "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor That Spares Collagenase 1 (Matrix Metalloproteinase 1)", Arth. & Rheum. Vol. 43 (3), March 2000, pp.673-682.			
		Freement, et al, "In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage" Ann. Rheum. Dis. Vol. 58 1999 pp.357-365.			
		Hirota, et al, "Novel Synthesis of Pyrido[3,4-d]Pyrimidines, Pyrido[2,3-d]-Pyrimidines, and Quinazolines via Palladium-Catalyzed Oxidative Coupling", Heterocycles, Vol. 37 (1) 1994 pp. 563-570.			
		Lovejoy, et al, " Crystal structures of MMP-1 and -13 reveal the selectivity of collagenase inhibitors" Nature Structural Bio., Vol 6 (3), March 1999 pp. 217-221.			
		Mitchell, et al, "Cloning, Expression, adn Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., Vol. 97 (3), February 1996, pp. 761-768.			
		Moy, et al, "High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-13) Complexed with a Hydroxamic Acid Inhibitor", J. Mol. Bio., Vol. 302, 2000, pp. 671-689.			

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Adam R. Johnson

Art Unit

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Examiner Name

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KH		Neuhold, et al, "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., Vol. 107 (1), pp. 35-44.	
		Reboul, et al, "The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes", J. Clin. Invest., Vol. 97 (9) May 1996, pp. 2011-2019.	
		Wernicke, et al, "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", J. of Rheum. 1996, Vol. 23 (4), pp. 590-595.	
		"Invitation to Pay Additional Fees" from corresponding PCT International Applic. no. PCT/IB03/03518 (5 pages)	

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